



COMMONWEALTH of VIRGINIA

Doug Domenech
Secretary of Natural Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

David K. Paylor
Director

Maria R. Nold
Regional Director

December 14, 2011

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Edward G. Henifin
General Manager
Hampton Roads Sanitation District
1436 Air Rail Ave
Virginia Beach, VA 23455

RE: VPDES Permit No. VA0081248
Reissuance for HRSD-Atlantic STP
Virginia Beach, VA

Dear Mr. Henifin:

The enclosed effluent limitations and monitoring requirements for the above referenced permit have been approved. Additionally, enclosed are copies of the fact sheet pages that describe public participation in the permitting process. Please replace the pages in fact sheet that you received with the draft permit with these pages.

Your permit is also enclosed. In accordance with the permit, you are required to submit monitoring reports to the following address:

Department of Environmental Quality (DEQ)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

The reporting forms are included with the permit. You will be responsible for obtaining additional copies of the reporting forms. The first report (DMR) is due for the month of February 2012 by March 10, 2012.

Please note that compliance with the permit's requirements for use and disposal of sewage sludge does not relieve you of your responsibility to comply with federal requirements set forth in 40 CFR Part 503. Until DEQ seeks and is granted authority to administer the Part 503 regulations by EPA, treatment works treating domestic sewage should continue to work directly with EPA to comply with them. For more information, you can call the EPA Region III office in Philadelphia at 215-814-5735.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court

of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Alternatively, any owner under Section 62.1-44.16, 62.1-44.17, and 62.1-44.19 of the State Water Control Law aggrieved by any action of the State Water Control Board taken without a formal hearing, or by inaction of the Board, may demand in writing a formal hearing of such owner's grievance, provided a petition requesting such hearing is filed with the Board. Said petition must meet the requirements set forth in Section 1.23(b) of the Board's Procedural Rule No. 1. In cases involving actions of the Board, such petition must be filed within thirty days after notice of such action is mailed to such owner by certified mail.

A Reliability Class I is assigned to this facility and this facility has Class I licensed wastewater operator requirements.

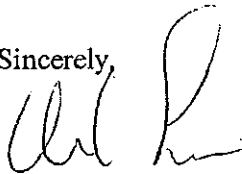
DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. We anticipate that in the near future all permittees will be participants in the e-DMR program. There are many benefits to both DEQ and the permittee when e-DMR is utilized for submissions:

- 1) Fewer revisions for data since the e-DMR program automatically flags omissions before the data is submitted;
- 2) Cost savings on postage, copying, and paper;
- 3) No concerns about using the most current DMR – e-DMR refreshes the required parameters automatically when changes are needed;
- 4) Submittals can be made on a timelier basis; and
- 5) Electronic signatures from multiple people are allowed and e-DMR can be accessed from multiple computer locations.

We ask that you apply for e-DMR participation now so that we will be able to complete the application process when your permit is effective. The following website provides details and our regional e-DMR administrator Debbie Kay, phone 757-518-2127, Deborah.kay@deq.virginia.gov can also assist you:
<http://www.deq.virginia.gov/water/edmrfaq.html>

If you have any additional questions, please do not hesitate to contact Deanna Austin at 757-518-2008 or deanna.austin@deq.virginia.gov

Sincerely,



Mark H. Sauer
Water Permit Manager

MHS/DDA

cc: DEQ - TRO File ECM
EPA - Region III (3WP12)

Encl: Permit No. VA0081248
Revised Fact Sheet Pages

24. **RECEIVING WATERS INFORMATION:** Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.)]. Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied. Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 10

25. **305(b)/303(d) Listed Segments:** Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

TMDLs are not included in this permit as the receiving waters are not listed on the 303(d) list.

26. **CHANGES TO PERMIT:** Use **TABLE III(a)** to record any changes from the previous permit and the rationale for those changes. Use **TABLE III(b)** to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 11

27. **NPDES INDUSTRIAL PERMIT RATING WORKSHEET:**

N/A - This is a municipal facility.

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from DEQ planning.

The discharge is not addressed in any planning document but will be included when the plan is updated.

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

The VDH reviewed the application and waived their right to comment and/or object on the adequacy of the draft permit. Letter received 6/30/11.

The DSS has no comments on the application/draft permit. Email received 6/28/11.

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA has no objections to the adequacy of the draft permit. Email received 11/23/11.

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

The draft permit was sent to VMRC on 6/21/11 and no comments were received.

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and all comments that have been received have been addressed and responded to. No public hearing will be required. All comments received have been filed in the DEQ ECM system under this permit number.

DESCRIBE PN COMMENTS AND RESOLUTIONS. PROVIDE PUBLIC HEARING DATE AND REFERENCE BACKGROUND MEMORANDUM, IF APPROPRIATE.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date 11/9/11
End Date 12/9/11

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Deanna Austin at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2008 E-mail: deanna.austin@deq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:

ATTACHMENT 4

TABLE I - DISCHARGE/OUTFALL DESCRIPTION

AND

APPROVED BIOSOLIDS APPLICATION SITES

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
Arnold Dawley		Virginia Beach	T-200		166.8	N 36° 43.130'	W 76° 2.899'	3300 block West Neck (West) & 2413 Indian River (South) Roads	
			T-869		142.3	N 36° 42.317'	W 76° 3.195'	3500 block West Neck Road (West Side)	
			T-63		19.6	N 36° 43.282'	W 76° 3.285'	2500 block Indian River Road (South Side)	
			T-833		43.3	N 36° 43.105'	W 76° 3.246'	3200 block West Neck Road (West Side)	
		Virginia Beach	T-210		54.9	N 36° 44.626'	W 76° 3.764'	2700 block West Neck Road (West Side)	
		Virginia Beach	T-217		88.0	N 36° 44.081'	W 76° 3.163'	2852 block West Neck Road (Northeast Corner)	
					514.9				
Clifton Culrell, Jr.		Chesapeake	T-464		411.94	N 36° 35.501'	W 76° 9.495'	3400 block Cedarville (East) & 1516 Indian Creek (North) Roads	Change in Tract Number issued by FSA previously T-202; updated acreage from 406.1 to 411.94
					411.94				
David Salmons		Chesapeake	T-1494		475.9	N 36° 40.689'	W 76° 18.222'	Intersection Shillelagh & Atkinson Roads (Northwest Corner)	
David Salmons		Virginia Beach	T-242		97.0	N 36° 39.348'	W 76° 2.123'	Intersection Stowe Road North (North), Princess Anne (West) Roads	
					572.9				
Donald H. Horsley		Virginia Beach	T-9328		141.6	N 36° 34.450'	W 76° 4.387'	6152 Blackwater Road (East Side) Opposite West Gibbs Road	
			T-6		10.7	N 36° 34.126'	W 76° 4.474'	6152 Blackwater Road (East Side) Opposite West Gibbs Road	
			T-9		71.9	N36°39'05.40"	W76°06'48.50"	Land of Promise Rd	New Permit
			T-425		107.3	N 36° 35.854'	W 76° 5.057'	5720 Blackwater Road (East Side) Opposite Hungarian Road	
			T-423		135.5	N 36° 34.337'	W 76° 4.772'	6273 Blackwater (West) & West Gibbs (North & South) Roads	
			T-4345		194.5	N 36° 40.092'	W 76° 5.717'	4204 Blackwater Road (East side)	
			T-571vb		228.0	N 36° 34.728'	W 76° 6.892'	2324 Indian Creek Road (South Side)	
			T-1435		159.7	N 36° 35.140'	W 76° 6.244'	2324 Indian Creek Road (North Side)	
			T-460		175.2	N 36° 38.470'	W 76° 5.245'	4780 Blackwater Road (East Side) Opposite Carolina Road	
			T-1454vb		80.3	N 36° 39.096'	W 76° 5.929'	Blackwater Road (West Side) North of Land of Promise Road	
			T-4067		115.0	N 36° 39.587'	W 76° 6.760'	West End of Ives Road off of Blackwater Road	
			T-1402		65.4	N 36° 38.466'	W 76° 5.907'	Blackwater & Land of Promise Roads (Southeast Corner)	
			T-2203		115.3	N 36° 38.431'	W 76° 6.654'	Land of Promise (South) & Caroline (North) Roads; West of T-419	
			T-419		306.9	N 36° 38.681'	W 76° 6.163'	Land of Promise Road (North & South Sides)	
			T-456		92.1	N 36° 38.516'	W 76° 7.027'	Land of Promise Road (South); West of T-2203	
			T-459		126.8	N 36° 38.498'	W 76° 7.315'	Land of Promise Road (South); West of T-456, City line splits	
Donald H. Horsley		Virginia Beach	T-452		74.3	N 36° 35.730'	W 76° 5.439'	Blackwater road (West Side); South of Hungarian Road	
Donald H. Horsley		Virginia Beach	T-9228		39.7	N 36° 36.294'	W 76° 5.102'	Blackwater road (East Side); @ "S" Turn @ Blackwater	
Donald H. Horsley		Virginia Beach	T-571vb		52.0	N 36° 34.973'	W 76° 7.161'	2324 Indian Creek Road (North Side)	
Donald H. Horsley		Virginia Beach	T-1435		55.9	N 36° 34.937'	W 76° 6.420'	2324 Indian Creek Road (North Side)	
Donald H. Horsley		Virginia Beach	T-9209		182.6	N 36° 35.192'	W 76° 6.876'	2300 block Indian Creek Road (North & South Sides)	
Donald H. Horsley		Virginia Beach	T-9225		60.1	N 36° 35.921'	W 76° 5.474'	Hungarian & Blackwater Roads (Southeast Side)	
Donald H. Horsley		Virginia Beach	T-9226		41.8	N 36° 35.632'	W 76° 5.872'	Hungarian Road (South Side); West of T-9225	
Donald H. Horsley		Virginia Beach	T-9229		30.3	N 36° 35.565'	W 76° 6.693'	Hungarian Road (South Side); East of Chesapeake City Line	
Donald H. Horsley		Chesapeake	T-472		84.9	N 36° 34.929'	W 76° 10.644'	Gallbush Road (East Side)	
Donald H. Horsley		Chesapeake	T-711		96.5	N 36° 35.928'	W 76° 7.684'	2100 block Sanderson Road (East Side); North of Hungarian Road	
Donald H. Horsley		Chesapeake	T-230		110.1	N 36° 36.181'	W 76° 8.040'	Sanderson Road (Southwest Corner); East of Right Angle Turn	
Donald H. Horsley		Chesapeake	T-9		87.6	N 36° 34.386'	W 76° 8.239'	Ansell Road @ End Just Off Baum Road	
Donald H. Horsley		Chesapeake	T-16		21.7	N 36° 35.630'	W 76° 7.828'	Hungarian Road (South Side); East of Sanderson Road	
Donald H. Horsley		Chesapeake	T-193		254.6	N 36° 35.501'	W 76° 8.611'	Indian Creek road (North Side); West of sanderson Road	
Donald H. Horsley		Chesapeake	T-277		55.8	N 36° 34.978'	W 76° 7.844'	2100 block Indian Creek road (North Side)	
Donald H. Horsley		Chesapeake	T-254		55.8	N 36° 35.717'	W 76° 8.049'	Intersection Hungarian & Sanderson Roads	
Donald H. Horsley		Chesapeake	T-535		23.6	N 36° 34.950'	W 76° 8.437'	2100 block Indian Creek Road (South Side); East of T-1288	
Donald H. Horsley		Chesapeake	T-1268		37.8	N 36° 34.849'	W 76° 8.149'	2100 block Indian Creek Road (South Side)	
Donald H. Horsley		Chesapeake	T-571cp		54.0	N 36° 34.651'	W 76° 7.536'	2324 Indian Creek Road & Baum Road	

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
					3545.3				
Donald H. Horsley		Chesapeake	T-716		117.9	N 36° 42.003'	W 76° 8.291'	Carter Road (East Side); Near Runway	
			T-1334		69.8	N 36° 41.287'	W 76° 8.708'	South of Blue Ridge Road @End of Carter Road	
			T-1383		78.5	N 36° 41.361'	W 76° 9.402'	South Side of Blue Ridge Road, West of T-1334	
			T-625		249.0	N 36° 41.954'	W 76° 9.857'	Bedford Street (East & West Sides); North of Blue Ridge Road	
			T-1321		45.1	N 36° 34.044'	W 76° 8.190'	Ansell Road @ End Just Off Baum Road	
					560.3				
Edgar Lane		Chesapeake	T-491		83.32	N36° 38' 53.11"	W76° 08' 17.47"	Long Ridge Rd & Carolina Rd	
Edgar Lane		Chesapeake	T-198		160.63	N36° 37' 27.73"	W76° 08' 42.34"	Cedarville Rd & Head of River Rd	
			T-405		348.55	N36° 37' 27.73"	W76° 08' 42.34"	Cedarville Rd & Sanderson Rd	
			T-523		49.65	N36° 38' 13.98"	W76° 07' 41.57"	Head of River Rd (north side)	
			T-1267		87.45	N36° 38' 13.98"	W76° 07' 41.57"	Long Ridge Rd & Land of Promise Rd	
			T-4099		68.78	N36° 37' 34.870"	W76° 08' 31.08"	Long Ridge Rd & Carolina Rd	
			T-9451		16.41	N36° 38' 07.51"	W76° 08' 38.35"	Carolina Rd (south side)	
			T-9452		58.96	N36° 38' 07.48"	W76° 08' 51.50"	Carolina Rd (south side)	
			T-9620		109.41	N36° 37' 24.88"	W76° 07' 52.94"	Head of River Rd (north side)	
			T-9621		2.15	N36° 37' 22.48"	W76° 08' 40.50"	Head of River Rd (north side)	
			T-9634		47.85	N36° 36' 28.09"	W76° 07' 42.89"	Sanderson Road (east side)	
					1033.16				
G. C. Nicholas, Jr.		Chesapeake	T-5		230.7	N36° 33.531'	W 76° 14.230'	Ballahack Road (South Side); West of Backwoods Road	
					230.7				
Glenn H. Brunner		Chesapeake	T-231		61.4	N 36° 40.805'	W 76° 8.398'	Fentress Airfield Road (East Side); North of Pocatoy Road	
			T-283		72.8	N 36° 38.653'	W 76° 7.977'	2333 Land of Promise Road (South Side)	
			T-542		96.7	N 36° 36.472'	W 76° 9.932'	Cedarville Road (West Side); South of Sanderson Road	
					230.9				
Guy Newman		Virginia Beach	T-68		78.1	N 36° 48.667'	W 76° 2.991'	800 block London Bridge Road (East Side); Along RR Tracks	
			T-4063		62.5	N 36° 48.170'	W 76° 3.399'	London Bridge Road (East Side) Along RR Tracks, South of T-68	
			T-41		58.4	N 36° 50.248'	W 76° 2.730'	Intersection Potters (North) & Sludge Roads	
			T-137		107.3	N 36° 47.320'	W 76° 2.801'	London Bridge (East) & Dam Neck (North) Roads	
			T-161		63.2	N 36° 47.526'	W 76° 2.248'	1600 block Harpers Road (West Side)	
			T-4066		41.7	N 36° 49.272'	W 76° 2.962'	500 block London Bridge Road (East Side)	
			T-4064		19.7	N 36° 47.783'	W 76° 3.309'	Swamp Road (West Side)	
			T-123		85.2	N 36° 50.170'	W 76° 1.006'	Intersection Oceana Blvd. & First Colonial Road	
			T-42		185.9	N 36° 49.122'	W 76° 0.633'	500 block Oceana Blvd & First Colonial Road	
			T-47		27.8	N 36° 48.924'	W 76° 0.321'	500 block Oceana Blvd (East Side)	
			T-4065		14.0	N 36° 48.028'	W 76° 0.401'	Harpers Road (North) & Oceana Blvd (West)	
			T-155		45.0	N 36° 48.525'	W 76° 0.961'	Princess Anne & Phantom Blvd (North side)	
			T-4026		210.6	N 36° 46.115'	W 75° 58.569'	Firefall Drive (South); At End	
Guy Newman		Virginia Beach	T-1419		94.0	N 36° 35.084'	W 76° 5.334'	2820 Indian Creek Road (West Side)	
Guy Newman		Virginia Beach	T-1444		71.2	N 36° 34.010'	W 76° 5.555'	8356 Craggs Causeway (East Side)	
Guy Newman		Virginia Beach	T-446		215.9	N 36° 33.608'	W 76° 5.591'	Craggs Causeway (North & South Sides); West of West Gibbs Road	
					1380.5				
Guy Newman		Chesapeake	T-1220		284.7	N 36° 39.173'	W 76° 11.177'	800 block Beaver Dam Road (North & South Sides)	
			T-424		179.6	N 36° 34.906'	W 76° 11.160'	Gallbush Road (East & West Sides); South of Indian Creek	
			T-428		405.0	N 36° 34.389'	W 76° 14.068'	1100 block Ballahack Road (North Side)	
			T-1325		198.9	N 36° 40.149'	W 76° 7.950'	2025 Pocatoy Road (North & South Sides)	
			T-48		116.1	N 36° 38.027'	W 76° 15.075'	Benefit & St. Brides Roads (Northwest Corner)	
			T-1457		149.4	N 36° 37.597'	W 76° 11.501'	Ballentine Road (North Side); East of RR Tracks	

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
			T-221		264.6	N 36° 37.440'	W 76° 10.147'	1290 block Head of River Road (South Side)	
					1596.3				
H. M. Dudley, Jr.		Virginia Beach	T-328		77.8	N 36° 37.149'	W 76° 2.342'	Intersection Princess Anne & Old & New Pungo Ferry Roads	
			T-343		16.5	N 36° 36.616'	W 76° 0.840'	Morris Neck Road (West Side); Opposite Campbell's Road	
			T-1530		25.2	N 36° 36.412'	W 76° 1.010'	Morris Neck Road (East Side); Opposite Fitztown Road	
			T-433		66.8	N 36° 39.387'	W 76° 5.761'	4490 Blackwater Road (East Side)	New FSA mapping change in acreage from 70.03 to 66.80
			T-1397		31.4	N 36° 39.057'	W 75° 59.391'	Drum Point Road (North Side); East Side Muddy Creek Road	
			T-4244		145.1	N 36° 40.939'	W 76° 1.693'	Princess Anne Road (West Side); South side of Jarvis Road	
					362.8				
H. M. Dudley, Jr.		Chesapeake	T-213		189.5	N 36° 39.304'	W 76° 9.757'	1700 block Land of Promise road (South Side)	
			T-707		123.8	N 36° 39.623'	W 76° 10.072'	1600 block Land of Promise road (South Side)	
					313.3				
Herbert L. "Pete" Powers		Chesapeake	T-85		30.5	N 36° 33.446'	W 76° 12.790'	Ballahack Road (South Side); West of T-33 & East of T-68cp	
			T-68cp		44.1	N 36° 33.622'	W 76° 13.041'	Ballahack Road (North & South Sides); West of T-8431	
					74.6				
Howard Salmons		Virginia Beach	T-1250		23.8	N 36° 37.602'	W 76° 2.463'	Princess Anne Road (West Side); @ Grain Elevator	
			T-427		206.0	N 36° 38.099'	W 76° 1.966'	Princess Anne Road (East Side); South of Creeds School	
			T-1286		20.3	N 36° 38.890'	W 76° 2.357'	Stowe Road South (North Side) West of "S" Turn	
			T-1262		39.0	N 36° 39.186'	W 76° 1.683'	Intersection Princess Anne (Northeast), Mill Landing (North) Roads	
			T-2106		50.1	N 36° 39.247'	W 76° 1.483'	Mill Landing Road (Adjoining & North of T-1262)	
			T-297		40.4	N 36° 40.026'	W 76° 1.914'	1209 Princess Anne Road (West Side)	
			T-339		40.5	N 36° 38.395'	W 76° 2.460'	894 Princess Anne Road (West Side); North of Creeds School	
					420.1				
J. W. "Sonny" Freeman		Virginia Beach	T-332vb		145.7	N 36° 35.449'	W 76° 1.869'	Fitztown Road (South Side) @ West End	
			T-313		47.9	N 36° 35.030'	W 76° 59.865'	Grimstead Road @ End Off of Back Bay Landing Road	
					193.6				
James Dana Todd		Chesapeake	T-9372		39.9	N 36° 36.897'	W 76° 9.460'	1300 block Sanderson Road (North Side)	
			T-9373		121.4	N 36° 37.244'	W 76° 9.328'	Intersection Head of River (South) & Cedarville (West) Roads	
			T-461		126.6	N 36° 37.703'	W 76° 9.354'	Intersection Long Ridge (North) & Peoples (North) Roads	
			T-931		63.7	N 36° 38.017'	W 76° 9.411'	2000 block Long Ridge Road (East Side)	
			T-1264		90.3	N 36° 38.346'	W 76° 8.981'	1800 block Long Ridge Road (East Side)	
			T-650		80.6	N 36° 38.006'	W 76° 8.272'	Caroline Road (North & South Side); West of T-566	
			T-566		100.8	N 36° 37.795'	W 76° 8.096'	Caroline Road (South Side); West of T-9374	
			T-9374		157.1	N 36° 37.878'	W 76° 7.547'	Caroline Road (South Side); West of VB City Line	
			T-434		37.3	N 36° 37.422'	W 76° 8.285'	1600 block Head of River Road (North Side)	
			T-1216		164.0	N 36° 36.701'	W 76° 7.602'	800 block Head of River (North) & Beaver Dam (South) Roads	
			T-9234		30.7	N 36° 36.940'	W 76° 8.407'	1700 block Head of River Road (South Side)	
			T-9236		89.6	N 36° 38.318'	W 76° 10.778'	1500 block Head of River Road (South Side)	
			T-1454		116.2	N 36° 37.651'	W 76° 9.032'	1400 block Head of River Road (North Side) @ Cedarville Road	
James Dana Todd		Chesapeake	T-3479		91.58	N36° 38' 1.05"	W76° 10' 37.57"	Head of River Road (north side)	
			T-9376		67.82	N36° 37' 58.57"	W76° 07' 26.07"	Old Carolina Road (south side)	
			T-9804		100.17	N36° 38' 35.63"	W76° 09' 57.98"	Beaver Dam Rd & Long Ridge Rd	
					1477.8				
John Matytko		Virginia Beach	T-433 P		78.7	N 36° 39.363'	W 76° 5.431'	4490 Blackwater Road (East Side)	New FSA mapping change in acreage from 63.9 to 78.7
					78.7				

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
Michael Salmons		Virginia Beach	T-1339		81.5	N 36° 39.757'	W 76° 0.442'	Charity Neck Road (West Side); South of Gum Bridge Road	
Michael Salmons		Virginia Beach	T-314vb		280.7	N 36° 35.591'	W 76° 0.640'	Back Bay Landing Road (End) & Fitztown Road @ Salmons Road	
Michael Salmons		Virginia Beach	T-1256		69.8	N 36° 35.195'	W 75° 59.861'	Back Bay Landing Road (End)	
Michael Salmons		Virginia Beach	T-1528		45.1	N 36° 35.231'	W 76° 0.746'	Back Bay Landing Road (South Side); East of Princess Anne Road	
Michael Salmons		Virginia Beach	T-1306		52.8	N 36° 39.541'	W 76° 1.695'	Princess Anne Road (East Side); North of Mill Landing Road	
Michael Salmons		Virginia Beach	T-370		16.7	N 36° 33.771'	W 75° 59.848'	Pocahontas Club Road (East Side)	
Michael Salmons		Virginia Beach	T-1529		99.3	N 36° 35.439'	W 76° 0.944'	Intersection Princess Anne, Fitztown, & Back Bay Roads	
Michael Salmons		Virginia Beach	T-315		42.0	N 36° 35.668'	W 76° 1.820'	Fitztown Road (North Side) @ West End	
Michael Salmons		Virginia Beach	T-1516		63.4	N 36° 38.568'	W 76° 2.179'	Intersection Princess Anne & Stowe Road South (Southwest Corner)	
Michael Salmons		Virginia Beach	T-1228		24.0	N 36° 35.841'	W 76° 0.909'	Fitztown Road Across From Salmons Road	
Michael Salmons		Virginia Beach	T-327		88.9	N 36° 38.444'	W 76° 0.851'	Intersection Morris Neck & Mill Landing Roads	
Michael Salmons		Virginia Beach	T-1238		8.5	N 36° 35.377'	W 76° 0.281'	Back Bay Landing Road (North Side); West of T-1256	
					872.7				
L & M Farms		Chesapeake	T-274		234.8	N 36° 38.442'	W 76° 11.108'	700 block Head of River (North) & Beaver Dam (South) Roads	
			T-579		132.6	N 36° 39.817'	W 76° 11.134'	1755 Centerville Turnpike (East Side)	
			T-233		129	N 36° 37.862'	W 76° 11.218'	717 Head of River Road (South Side)	
			T-508		22.9	N 36° 38.241'	W 76° 11.395'	700 block Head of River Road (North Side)	
			T-1216		126	N 36° 39.108'	W 76° 10.547'	688 Beaver Dam Road (North Side)	
			T-5241		133.4	N 36° 37.424'	W 76° 11.019'	Ballentine Road (Northeast Corner); @ End of Road	
			T-9255		36.9	N 36° 37.615'	W 76° 10.483'	1000 block Head of River Road (South Side); @ Long Ridge Road	
					815.6				
Marvin C. Etheridge, II		Virginia Beach	T-245		64.5	N 36° 39.204'	W 76° 2.360'	North Stowe Road (North & South Sides); @ Turn in Road	
			T-372		34.2	N 36° 36.035'	W 76° 1.416'	Princess anne Road (East Side); South of Morris Neck Road	
			T-396		20.6	N 36° 35.712'	W 76° 1.495'	Fitztown Road (North Side)	
			T-385		60.5	N 36° 37.258'	W 76° 1.919'	Princess anne Road (East Side); Opposite Old Pungo Ferry Road	
					179.8				
North Landing Farms		Virginia Beach	T-78		311.2	N 36° 44.938'	W 76° 5.242'	3328 North Landing Road (North Side)	
			T-180		77.4	N 36° 44.917'	W 76° 5.727'	3328 North Landing Road (North Side); West of T-78	
					388.6				
O. Glenn Weatherly		Chesapeake	T-2489		120.3	N 36° 38.117'	W 76° 9.058'	1953 Long Ridge Road (East Side)	
			T-271		96.9	N 36° 38.007'	W 76° 11.983'	Intersection Battlefield Blvd & Centerville Turnpike (East Side)	
			T-1251		95.8	N 36° 37.256'	W 76° 11.493'	Ballentine Road (South Side) @ End, East of RR Tracks	
			T-9431		6.0	N 36° 33.535'	W 76° 12.895'	500 Ballahack Road (South Side)	
			T-577		30.0	N 36° 33.530'	W 76° 11.796'	Battlefield Blvd (East Side); South of Intersection Ballahack Road	
			T-33		38.1	N 36° 33.468'	W 76° 12.653'	400 Ballahack Road (South Side)	
			T-9400		85.8	N 36° 33.426'	W 76° 13.364'	600 Ballahack Road (South Side); West of T-68cp	
			T-52		24.5	N 36° 33.748'	W 76° 13.681'	600 Ballahack Road (North Side)	
			T-544		227.6	N 36° 33.799'	W 76° 15.843'	Relay Road (North Side)	
			T-42cp		42.6	N 36° 33.399'	W 76° 12.496'	300 Ballahack Road (South Side); East of T-33	
			T-9401		45.7	N 36° 33.120'	W 76° 14.239'	Backwoods Road (North Side); North of NC Line	
			T-9402		22.6	N 36° 33.034'	W 76° 14.463'	Backwoods Road (North Side); West of T-9401, North of NC Line	
			T-1231		37.7	N 36° 34.819'	W 76° 16.072'	2150 Ballahack Road (South Side); Northwest Side of US Navy	
			T-81		37.5	N 36° 35.796'	W 76° 11.639'	700 Indian Creek Road (South Side); East of Raven Road	
O. Glenn Weatherly		Chesapeake	T-485		35.7	N36°34'33.79"	W76°11'11.43"	Between Indian Creek Rd and Gallbush Rd	New Permit
			T-934		23.3	N36°33'43.37"	W76°11'29.53"	Off Of Neck Rd	New Permit
			T-121		34.5	N 36° 37.894'	W 76° 13.039'	Benefit Road (South Side); East of Eason & West of Battlefield	
			T-2400		28.3	N 36° 38.039'	W 76° 8.252'	Carolina Road (South Side) @ Bend In Road	
O. Glenn Weatherly		Chesapeake	T-1863		37.1	N36° 33' 06.36"	W76° 14' 09.89"	Ballahack Rd (north side)	

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
					1070.0				
Scott Weatherly		Chesapeake	T-1327		86.1	N 36° 41.495'	W 76° 7.933'	Fentress Airfield Road (West Side); Along Runway	
Scott Weatherly		Chesapeake	T-214		85.7	N 36° 41.843'	W 76° 7.191'	Fentress Airfield Road (North of "S" Turn)	
Scott Weatherly		Chesapeake	T-1359		114.3	N 36° 42.237'	W 76° 7.101'	Lockhead Avenue (North & South Sides)	
Scott Weatherly		Chesapeake	T-224		45.9	N 36° 42.245'	W 76° 6.446'	Lockhead Avenue (North & South Sides)	
					332.0				
Oceana Stables		Virginia Beach	T-43		149.9	N 36° 48.334'	W 76° 0.472'	800 block Oceana Blvd (West Side)	
					149.9				
Robert Kovacs Jr.		Virginia Beach	T-444		100.8	N 36° 33.207'	W 76° 4.725'	6621 Blackwater Road (West Side)	
Robert Kovacs Jr.		Virginia Beach	T-1428		62.7	N 36° 33.163'	W 76° 5.283'	West Gibbs Road, East Side Joins West Side of T-444	
					163.5				
Slabaugh Farms		Virginia Beach	T-4261		73.8	N 36° 37.265'	W 76° 5.856'	Head of River road (South Side); West of Blackwater Road	
Slabaugh Farms		Chesapeake	T-500		99.2	N 36° 37.012'	W 76° 9.686'	1200 block Sanderson Road (North Side); West of Cedarville Road	
			T-9434		146.5	N 36° 40.957'	W 76° 10.498'	Between 1200 Centerville Tpk & Whitlamore Road, South of Murry	
			T-9436		113.2	N 36° 38.696'	W 76° 10.511'	Beaver Dam Road (North Side); West of Beaver Dam Court	
			T-9437		114.9	N 36° 39.108'	W 76° 8.608'	1500 block Long Ridge (West) & 1800 block Land of Promise (South)	
			T-366		61.8	N 36° 41.709'	W 76° 20.569'	2500 block Number Ten Lane (South Side)	
			T-2		58.6	N 36° 33.843'	W 76° 14.920'	Relay Road (South Side)	
			T-8		74.0	N 36° 33.441'	W 76° 14.766'	Relay Road (South Side)	
			T-14		24.6	N 36° 33.596'	W 76° 15.476'	Relay Road (South Side)	
			T-18		338.2	N 36° 33.165'	W 76° 15.635'	Relay Road (South Side)	
			T-1538		34.3	N 36° 34.389'	W 76° 15.119'	Relay Road (North Side)	
			T-9602		261.6	N 36° 39.863'	W 76° 9.205'	Fentress Airfield Road (West Side); @ Intersection Land of Promise	
			T-1542		71.3	N 36° 40.888'	W 76° 9.577'	900 block Whitlamore Road (East Side)	
			T-332Ch		170.0	N 36° 40.326'	W 76° 9.105'	Fentress Airfield Road (West Side); @ Intersection Long Ridge	
			T-11		7.3	N 36° 42.330'	W 76° 8.492'	Maxwell & Bedford Streets (Southeast Corner)	
			T-621		23.2	N 36° 42.175'	W 76° 8.938'	Bedford Street (South Side); East of T-9477 & West of T-644	
			T-638		18.3	N 36° 42.700'	W 76° 8.849'	Maxwell Street (West Side); Between Mt Pleasant Road & Bedford	
			T-644		26.3	N 36° 42.324'	W 76° 8.752'	Bedford Street (South Side); South of Corner of Bedford & Maxwell	
			T-656		125.0	N 36° 41.910'	W 76° 8.649'	Carter Road (West Side); Just North of Blue Ridge Road	
			T-9477		26.3	N 36° 42.165'	W 76° 9.070'	Bedford Street (South Side); West of T-621	
			T-294		102.7	N 36° 41.694'	W 76° 8.955'	Blue Ridge Road (North Side); West Side of Carter Road	
			T-669		24.2	N 36° 41.967'	W 76° 5.625'	Blackwater Road (Northeast Side); Just East of Fentress Airfield Rd	
			T-693		213.1	N 36° 41.338'	W 76° 6.145'	Blackwater Road (East & West Side); South of T-669	
Slabaugh Farms		Chesapeake	T-344		33.48	N36° 43' 3.77"	W76° 09' 3.76"	Mount Pleasant Rd (north side)	
			T-1296		15.9	N36° 42' 43.43"	W76° 08' 26.32"	1936 Mt. Pleasant Rd	New Permit
			T-226		138.13	N36° 39' 7.17"	W76° 8' 29.40"	Land of Promise Rd (north side)	
			T-9594		117.31	N36° 42' 4.12"	W76° 09' 3.76"	Bedford St (south side)	
					2493.2				
Theodore P. Fries		Chesapeake	T-297		80.1	N 36° 39.435'	W 76° 7.677'	Silvertown avenue (North); @ End of Road	
	James Dana Todd		T-687		131.2	N 36° 38.676'	W 76° 9.745'	1900 block Long Ridge Road (West Side)	Change in Operator
					211.3				
Samuel Lanier Jr.		Chesapeake	T-1311		179.8	N 36° 40.458'	W 76° 9.947'	Whitlamore road (East & West Sides); North of Land of Promise	
					179.8				
Thomas Morris		Chesapeake	T-478		17.2	N36° 36' 35.09"	W76° 07' 54.25"	1840 Sanderson Road	New Permit
					17.2				

Hampton Roads Sanitation District Permitted Agricultural Land 2011

Operator	Old Operator	City	Site	New ID	Acres	Latitude	Longitude	Location	Comments
William Vaughn		Virginia Beach	T-4380		32.9	N36°38'29.20"	W76°01'37.87"	Vaughan Road	New Permit
			T-4341		13.6	N36°40'29.20"	W76°01'37.87"	Vaughan Road	New Permit
			T-4467		15.6	N36°40'29.20"	W76°01'37.87"	Vaughan Road	New Permit
			T-4468		73.5	N36°40'29.20"	W76°00'52.38"	Princess Anne Rd. and Vaughan Rd.	New Permit
					135.6				
Total Acres					20007.0				

TABLE II - MUNICIPAL MINOR EFFLUENT LIMITATIONS

Attachment 5 continued

Final Chlorine Limitations Effective Dates - From: Permit Issuance

To: Permit Expiration

TRC **	AFTER CL2 CONTACT TANK (Dechlor. Required)			AFTER DECHLORINATION		AFTER CL2 CONTACT TANK (Dechlor. Not Required)				
	MIN.	EXC.	INST. MIN.	WKLY AVG.	INST. MAX.	PERMIT RANGE	EXC.	REPORT- ING RANGE	EXC.	TECH. MAX.
a) Non-Detect. Dechlor. Required	---	---	---	---	---	NA	NA	NA	NA	NA
b) Detect. Dechlor. Required	1.0	36	0.20 mg/l*	4.0 mg/l	---	NA	NA	NA	NA	NA
c) No Dechlor.	NA	NA	NA	NA	NA	---	---	---	---	---

* Reporting is required when the computed chlorine does falls below <0.20 mg/l or 3 or more consecutive readings or <0.10 for any reading.

** --Chlorine mass balance C_w (W for Tidal systems): check one

___ a) $C_w < 0.1$ mg/l [dechlor. required, non-detectable format]

___ b) $0.1 \text{ mg/l} \leq C_w < 2.0$ mg/l (2.5 mg/l for PWS, Shellfish waters) [dechlor. required, detectable format]

X c) $C_w > 2.0$ mg/l (2.5 mg/l for PWS, Shellfish waters) [dechlor. not required, include a restrictive technology max. value]

The design flow of this treatment facility is 54 MGD.

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

See Part I.B. for additional TRC limitations.

TABLE III(b)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes MADE DURING PERMIT PROCESS and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
001	Enterococci	None/ 2/month	None/ 35	Required by EPA during the last reissuance of various municipal permits, including the HRSD permits. The EPA letters are attached to the FS.	10/26/11 DDA

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL
Biosolids Requirements	All updated to include the most current biosolids language received from DEQ Central Office.	10/26/11 DDA
Biosolids Requirements	Changes made based on the comments received from HRSD dated 11/1/11. Draft sent 11/4/11.	11/4/11 DDA
Biosolids Requirement concerning sign requirements	HRSD requested on 11/16/11 via email that the condition be listed as the current regulation, not the proposed. Change made.	11/16/11 DDA
Biosolids Requirement concerning buffer zones	HRSD requested on 11/15/11 via letter that the condition be listed as the current effective regulations. Change was made.	11/16/11 DDA

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL
Land Application Sites T-294 and T-4397. Removed from the permit application.	Request made by HRSD on 11/30/11.	11/30/11 DDA